Attorney's Docket No. 032901-039

N THE EXITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of)
Samuel Weiss, et al.) Group Art Unit: 1614
Application No.: 10/084,671) Examiner: Unassigned
Filed: February 28, 2002)
For: ESTROGEN INDUCED NEURAL STEM CELL PROLIFERATION))))

INFORMATION DISCLOSURE STATEMENT TRANSMITTAL LETTER

Assistant Commissioner for Patents Washington, D.C. 20231

Sir:

Enclosed is an Information Disclosure Statement and accompanying form PTO-1449 for the above-identified patent application.

[X]	No additional fee for submission of an IDS is required.
[]	The fee of \$180.00 (126) as set forth in 37 C.F.R. § 1.17(p) is also enclosed.
[]	A certification under 37 C.F.R. § 1.97(e) is also enclosed.
[]	A certification under 37 C.F.R. \S 1.97(e), and the fee of \$180.00 (126) as set forth in 37 C.F.R. \S 1.17(p) are also enclosed.
[]	Charge \$ to Deposit Account No. 02-4800 for the fee due.
[]	A check in the amount of S is enclosed for the fee due.
§§ 1.16, 1.17 a	mmissioner is hereby authorized to charge any appropriate fees under 37 C.F.R. and 1.21 that may be required by this paper, and to credit any overpayment, to nt No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

P.O. Box 1404 Alexandria, Virginia 22313-1404 (650) 622-2300

Date: May 17, 2002

Ping F. Hwun

Registration No. 44,164



Attorney's Docket (Sa. 032901)

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INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents Washington, D.C. 20231

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, Applicants hereby submit the following information in conformance with 37 C.F.R. §§ 1.97 and 1.98. Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited is enclosed.

1.	U.S. Patent No. 5,554,601,	Simpkins et al.,	issued	September 10, 1996
2.	U.S. Patent No. 5,750,376,	Weiss et al.,	issued	May 12, 1998
3.	U.S. Patent No. 5,843,934,	Simpkins,	issued	December 1, 1998
4.	U.S. Patent No. 5,851,832,	Weiss et al.,	issued	December 22, 1998
5.	U.S. Patent No. 5,980,885,	Weiss et al.,	issued	November 9, 1999
6.	U.S. Patent No. 6,334,998,	Uckun et al.,	issued	January 1, 2002
7.	International Publication No. V	VO 01/10430,	published	February 15, 2001

- 8. Alonso, G., "Prolonged corticosterone treatment of adult rats inhibits the proliferation of oligodendrocyte progenitors present throughout white and gray matter regions of the brain", GLIA 31: 219-231 (2000).
- 9. Baniahmad et al., "Enhancement of human estrogen receptor activity by SPT6: a potential coactivator", *Mol. Endocrinol.* **9(1)**:34-43 (1995).
- 10. Doetsch, F., et al., "Subventricular Zone Astrocytes are Neural Stem Cells in the Adult Mammalian Brain", *Cell* 97:703-716 (1999)
- 11. Hidalgo A. et al., "Estrogen and non-estrogenic ovarian influences combine to promote the recruitment and decrease the turnover of new neurons in the adult female canary brain", *J. Neurobiol.* **27(4)**: 470-487 (1995).

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- 12. Seri, B, et al., "Astrocytes give rise to new neurons in the adult mammalian hippocampus", *J. Neuroscience*, 21(19):7153-7160 (2001)
- 13. Smith, M.T., et al., Increased number of BrdU-labeled neurons in the rostral migratory stream of the estrous prairie vole. Horm. Behav 39(1): 11-21 (2001)
- 14. Tanapat, P. et al., "Estrogen stimulates a transient increase in the number of new neurons in the dentate gyrus of the adult female rat", *J. Neuroscience* **19(14)**: 5792-5801 (1999).
- 15. Wade, S.B., et al., Overlapping and divergent actions of estrogen and the neurotrophins on cell fate and p53-dependent signal transduction in conditionally immortalized cerebral cortical neuroblasts. J. Neurosci 19(16): 6994-7006 (1999)
- Zhang, L. et al., Testosterone and estrogen affect neuronal differentiation but not proliferation in early embryonic cortex of the rat: the possible roles of androgen and estrogen receptors. Neurosci Lett 281(1):57-60 (2000)

The documents are being submitted within 3 months from the filing date of this application. Therefore, no fee or statement is required under 37 C.F.R. § 1.97(b).

By citing the above references, Applicants do not acquiesce or admit that any of these documents is "prior art" under 35 U.S.C. Applicants specifically reserve the right, where appropriate, to antedate any of the cited documents by an appropriate showing under 37 C.F.R. §1.131, §1.604, §1.608 or any other suitable means.

To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

3у:

Ping F. Hyung

Registration No. 44,164

P.O. Box 1404 Alexandria, Virginia 22313-1404 (650) 622-2300

Date: May 17, 2002

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Substitute for form 1449A PTO/

INFORMATION DISCLOSURE STATEMENT BY A RELICANT

ATTORNEY'S DKT NO. 032901-039	APPLICATION NO. 10 084 671	D)
APPLICANT Weiss et al.		Ω
FILING DATE February 28, 2002	GROUP 111	

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	5,843,934		Simpkins		December 1, 1998		
	5,851,832		Weiss et al.		December 22, 199	3	
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	6,334,998		Uckun et al.		January 1, 2002		
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EXAMINER. Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. SEND TO: Assistant Commissioner for Patents, Washington, D.C. 20231.